



AMENDMENTS TO THE CLAIMS

In the claims

Claim 1 (canceled)

Claim 2 (canceled)

Claim 3 (canceled)

Claim 4 (canceled)

Claim 5 (canceled)

Claim 6 (canceled)

Claim 7 (canceled)

Claim 8 (canceled)

Claim 9 (canceled)

Claim 10 (canceled)

Claim 11 (canceled)

Claim 12 (canceled)

Claim 13 (canceled)

Claim 14 (canceled)

Claim 15 (canceled)

Claim 16 (canceled)

Claim 17 (canceled)

Claim 18 (canceled)

Claim 19 (canceled)

Claim 20 (canceled)

Claim 21 (canceled)

Claim 22 (previously presented): A device for altering a trajectory of a droplet comprising:

a throated structure having a nozzle defined therethrough with an entrance port at a proximal end of the nozzle and an exit port at a distal end of the nozzle;

wherein the throated structure further defines at least one channel in fluid communication with the nozzle for receiving a flow of fluid such that the trajectory of the droplet entering the entrance port is alterable by the flow of fluid to a predetermined path as the droplet passes through the exit port;

wherein the distal end of the structure is cylindrically uniform in shape; and

wherein the cylindrically uniform distal end of the structure is 0.5-1 mm in length.

Claim 23 (previously presented): A device for altering a trajectory of a droplet comprising:

a throated structure having a nozzle defined therethrough with an entrance port at a proximal end of the nozzle and an exit port at a distal end of the nozzle;

wherein the throated structure further defines at least one channel in fluid communication with the nozzle for receiving a flow of fluid such that the trajectory of the droplet entering the entrance port is alterable by the flow of fluid to a predetermined path as the droplet passes through the exit port; and

wherein the throated structure is 1-150 mm in length.

Claim 24 (canceled)

Claim 25 (canceled)

Claim 26 (canceled)

Claim 27 (canceled)

Claim 28 (canceled)

Claim 29 (previously presented): A device for altering a trajectory of a droplet comprising:

a throated structure having a nozzle defined therethrough with an entrance port at a proximal end of the nozzle and an exit port at a distal end of the nozzle;

wherein the throated structure further defines at least one channel in fluid communication with the nozzle for receiving a flow of fluid such that the trajectory of the droplet entering the entrance port is alterable by the flow of fluid to a predetermined path as the droplet passes through the exit port; and

wherein the throated structure is attached to a movable platform configured to translate the throated structure in a planar direction relative to a wellplate disposed adjacently to the proximal end of the nozzle.

Claim 30 (original): The device of claim 29 wherein the movable platform is configured to translate the throated structure in a planar direction over a distance of at least 2 mm.

Claim 31 (original): The device of claim 29 wherein the movable platform is further configured to rotate the throated structure about a point centrally defined within the throated structure such that the proximal end of the nozzle is angularly disposable relative to the wellplate.

Claim 32 (canceled)

Claim 33 (canceled)

Claim 34 (canceled)

Claim 35 (canceled)

Claim 36 (canceled)

Claim 37 (canceled)

Claim 38 (canceled)

Claim 39 (canceled)

Claim 40 (canceled)

Claim 41 (canceled)

Claim 42 (canceled)

Claim 43 (canceled)

Claim 44 (canceled)

Claim 45 (canceled)

Claim 46 (canceled)

Claim 47 (canceled)

Claim 48 (previously presented): A device for altering a trajectory of a droplet comprising:

a plate having a first surface and a second surface, wherein the plate defines a plurality of throated nozzles therein, each nozzle having an entrance port defined in the first surface and an exit port defined in the second surface;

at least one channel defined within the device for receiving a flow of fluid therethrough, the channel being in fluid communication with and common to each nozzle such that the trajectory of a droplet entering the entrance port of any nozzle is alterable by the flow of fluid to a predetermined path as the droplet passes through the exit port; and

wherein the channel through which the fluid flows is defined between a well mask and the first surface, the well mask defining a plurality of orifices each located adjacent to a corresponding entrance port in the first surface.

Claim 49 (canceled)

Claim 50 (canceled)

Claim 51 (canceled)

Claim 52 (canceled)

Claim 53 (canceled)

Claim 54 (canceled)

Claim 55 (canceled)

Claim 56 (canceled)

Claim 57 (original): The device of claim 48 wherein each orifice has a preconfigured diameter adapted to prevent the fluid from passing turbulently therethrough.

Claim 58 (original): The device of claim 48 wherein each orifice is defined through a capillary tube extending from a surface of the well mask, each of the capillary tubes being adapted for insertion into a reservoir of liquid from which the droplet is ejected.

Claim 59 (canceled)

Claim 60 (canceled)

Claim 61 (canceled)

Claim 62 (canceled)

Claim 63 (canceled)

Claim 64 (canceled)

Claim 65 (canceled)

Claim 66 (canceled)

Claim 67 (canceled)

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Claim 91 (canceled)

Claim 92 (canceled)

Claim 93 (canceled)

Claim 94 (canceled)

Claim 95 (canceled)

Claim 96 (canceled)

Claim 97 (canceled)

Claim 98 (canceled)

Claim 99 (canceled)

Claim 100 (canceled)